



THOMSON

AUDIO

SERVICE MANUAL DOCUMENTATION TECHNIQUE TECHNISCHE DOKUMENTATION DOCUMENTAZIONE TECNICA DOCUMENTACION TECNICA

CS140 CS140U

Version (PC*): A

*PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - il codice della versione è indicato nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



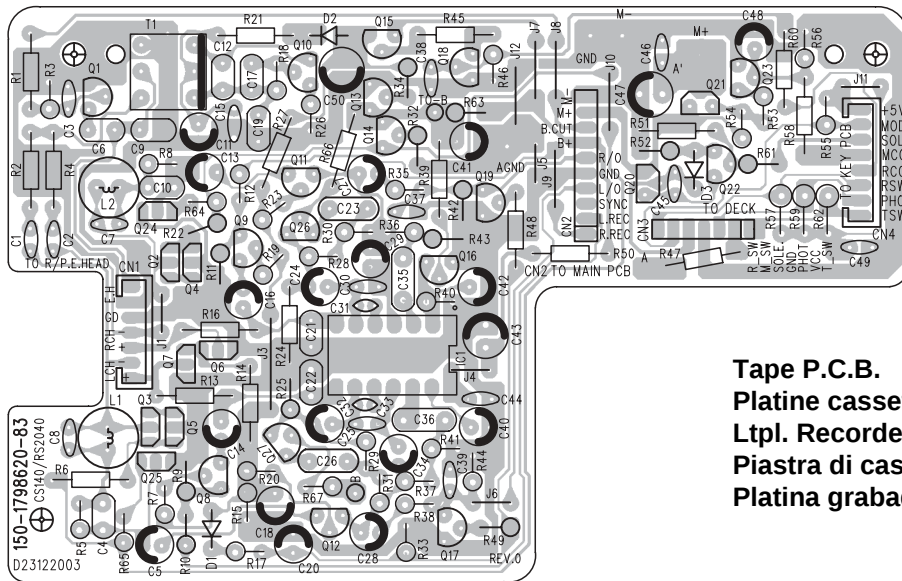
Technical data - Caractéristiques principales Technische Daten - Dati tecnici - Características del aparato

Type of set: Type d'appareil: Geräteart: Tipo d'apparecchio: Tipo de aparato:	Two-in-one horizontale combination/DAD Ensemble compact stéréophonique DAD-2er Horizontal Kompaktanlage Compatto HiFi/CD Equipo compacto estereofónico/DAD	
Power supply: Alimentation: Stromversorgung: Alimentazione: Alimentación:	230 V ~ 50Hz	Nominal output power: Puissance nominale de sortie: Nennausgangsleistung: Potenza nominale di uscita: Potencia nominal de salida:
		2 x 10W (rms) 2 x 20W (music)
FM - MF: MW - PO: LW - GO:	87.5 - 108 MHz 522 - 1620 kHz 146 - 283 kHz	Sensitivity: Sensibilité: Empfindlichkeit: Sensibilità: Sensibilidad:
		FM - MF: 20µV (S/N = 30 dB) MW - PO: 2000µV/m (S/N = 20 dB) LW - GO: 2000µV/m (S/N = 20 dB)
Frequency response: Courbe de réponse: Frequenzgang: Curva di risposta: Curva de respuesta:	125 Hz - 6.3 kHz (+3/-5 dB)	Signal to noise ratio: Rapport signal / bruit: Geräuschspannungabstand: Rapporto segnale / disturbo: Relación señal / ruido:
		40 dB
Wow and flutter: Fluctuations: Gleichlauf: Fluttuazioni: Fluctuaciones:	0,35%	4,75 cm/s C60: 170s
Disc rotation speed: Vitesse de rotation du disque: CD-Drehgeschwindigkeit: Velocità di rotazione del disco: Velocidad de rotación del disco:	200 → 500 tr/mn	Frequency response: Courbe de réponse: Frequenzgang: Curva di risposta: Curva de respuesta:
		100 Hz - 16 kHz (-4/+2 dB)
DAD Dynamic range: Gamme dynamique: Dynamikumfang: Dinamica: Dinámica:	60 dB	Signal to noise ratio: Rapport signal / bruit: Geräuschspannungabstand: Rapporto segnale / disturbo: Relación señal / ruido:
		54 dB

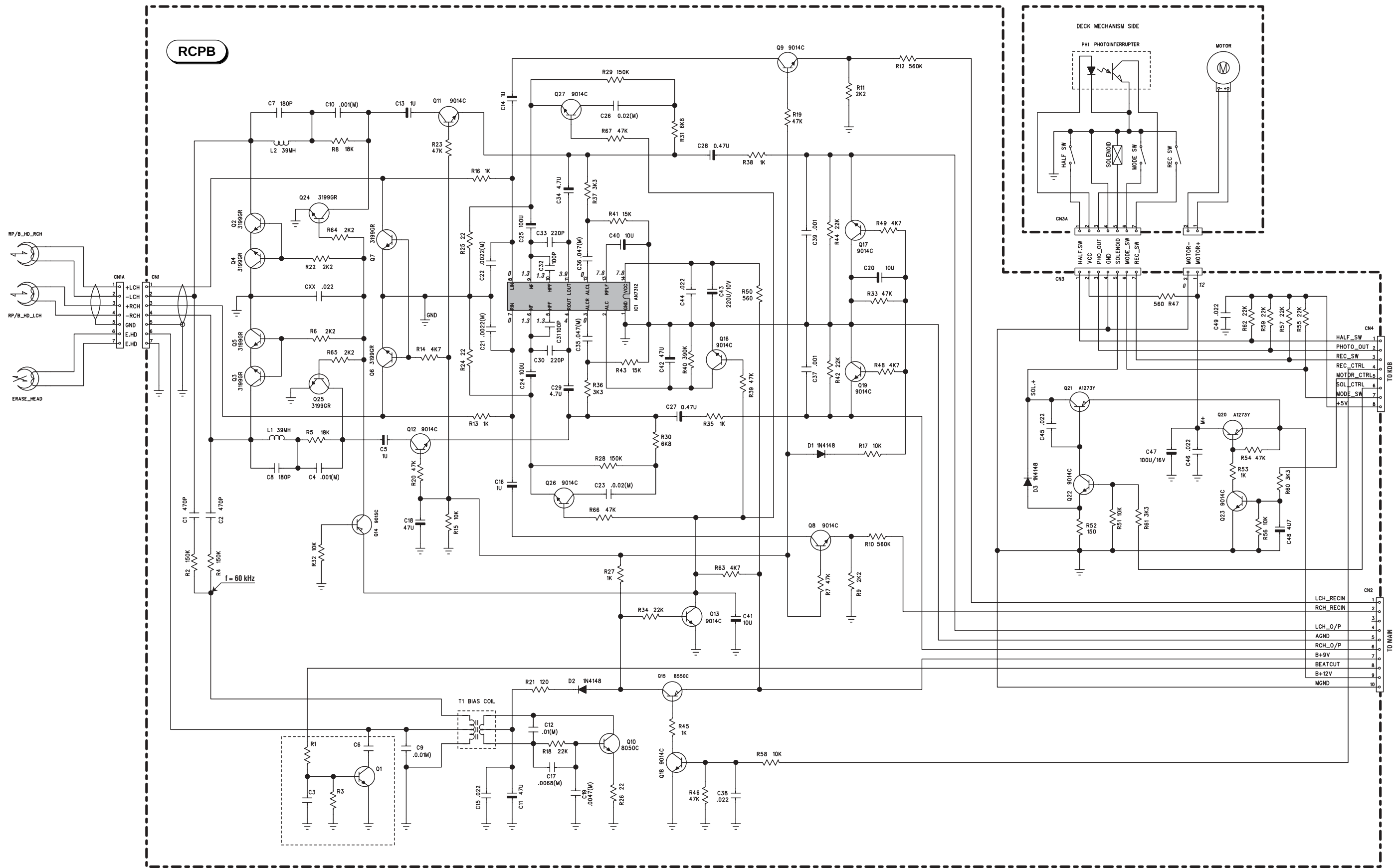


WARNING : Before servicing this chassis please read the safety recommendations.
ATTENTION : Avant toute intervention sur ce châssis, lire les recommandations de sécurité.
ACHTUNG : Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.
ATTENZIONE : Prima di intervenire sullo chassis, leggere le norme di sicurezza.
IMPORTANTE : Antes de cualquier intervención, leer las recomendaciones de seguridad.

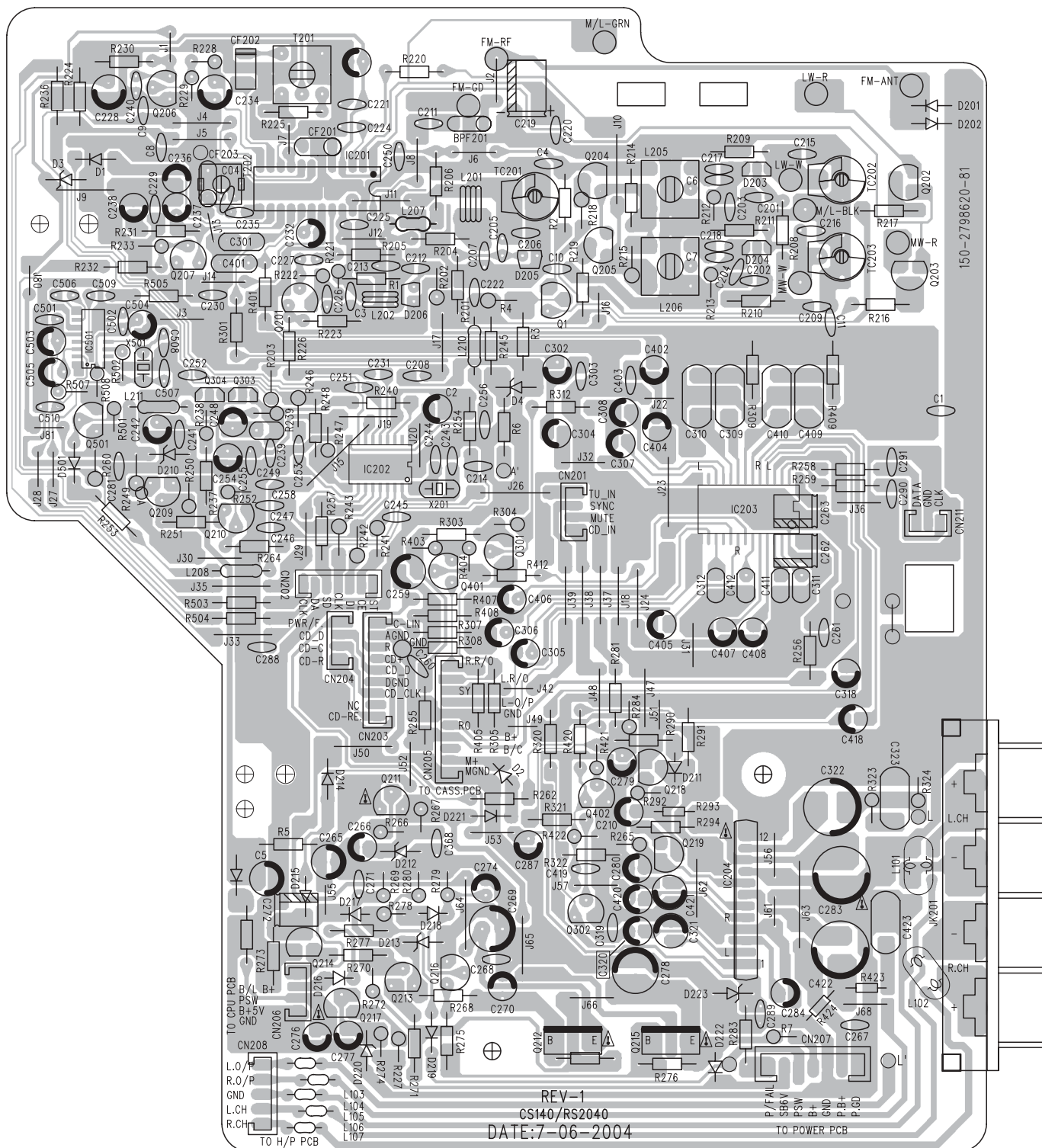
Code : 358 498 40 - 0305 / 3.7M - CRKD2142 Print.



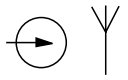
Tape P.C.B.
Platine cassettes
Ltpl. Recorder
Piastra di cassette
Platina grabadores

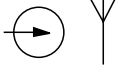
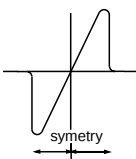


Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

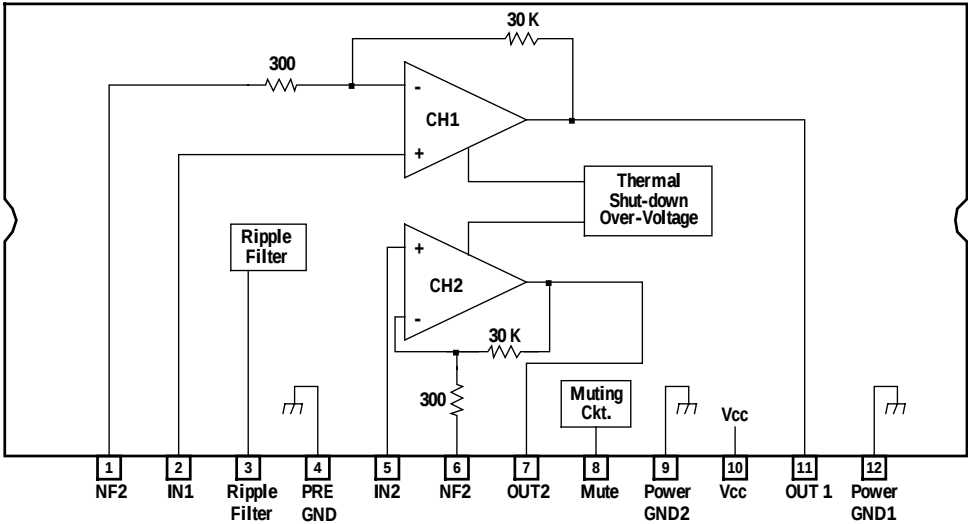


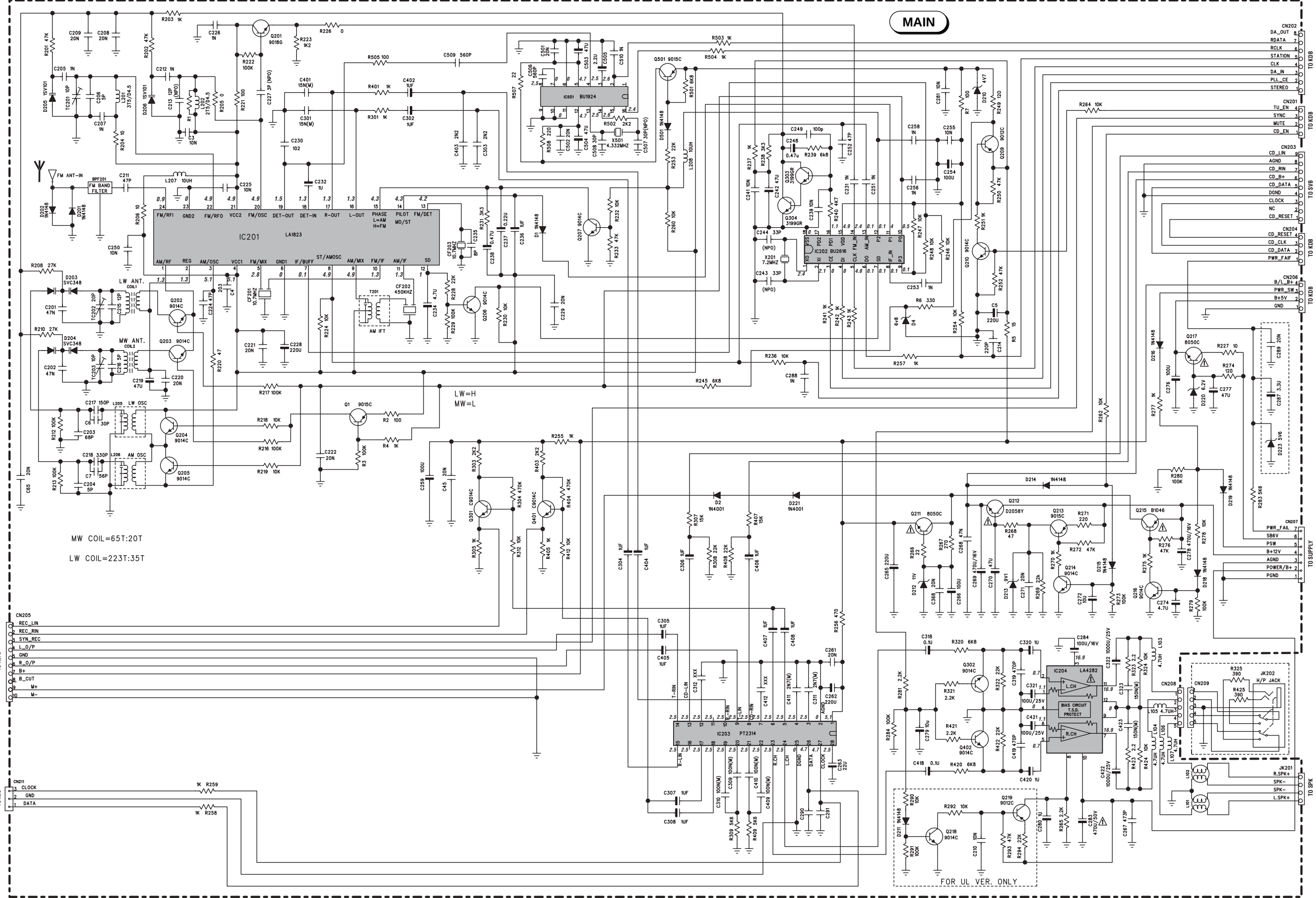
ADJUSTMENTS - RÉGLAGES - EINSTELLUNGEN - REGOLAZIONI - AJUSTES

AM alignment						
		 	f		 	  
IF	1		450 kHz	603 kHz	T201	Max.
Osc	2	MW	522 kHz		L206	↑ Vt = 1.1 ±0.1 V
	3		1620 kHz			↓ Vt = 7.5 ±0.5 V
	4	LW	150 kHz		L205	↑ Vt = 1.8 ±0.1V
	5		283 kHz			↓ Vt = 5.5 ±0.5V
MW	6	 	603 kHz	603 kHz	MW coil	Max.
	7		1404 kHz	1404 kHz	TC203	
LW	8	Ve = 1 mV	164 kHz	164 kHz	LW coil	Max.
	9		272 kHz	272 kHz	TC202	

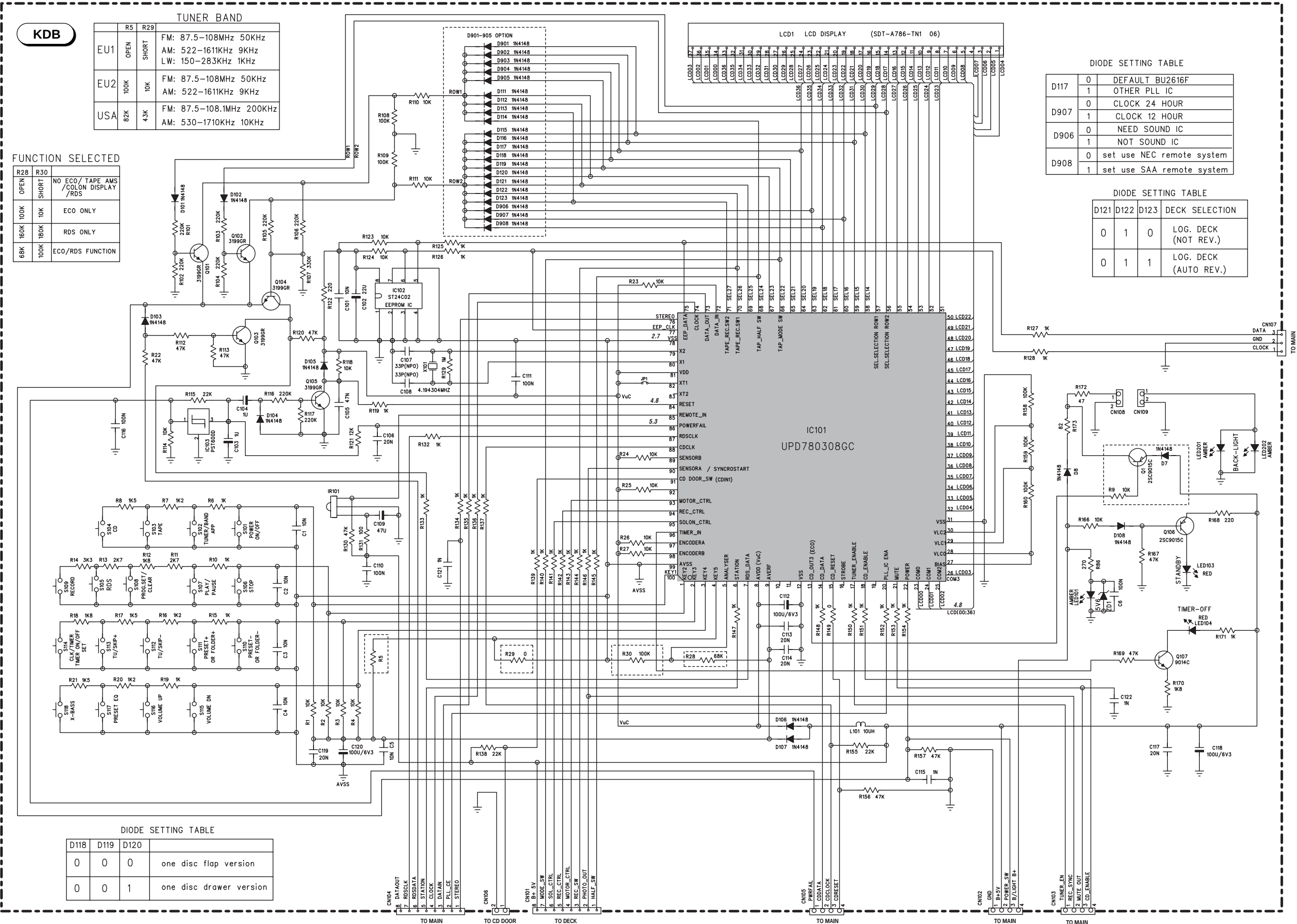
FM alignment						
		 	f		 	  
IF	1	 Ve = 1 mV	10.7 MHz			Max.  symmetry
Osc	2	 Ve = 1 mV	87.5 MHz		L202	↑ Vt = 2.0 ±0.1 V
	3		108 MHz			↓ Vt = 7.0 ±0.5 V
RF	4	 Ve = 1 mV	90 MHz	90 MHz	L201	Max.
	5		106 MHz	106 MHz	TC201	

IC204 LA4282

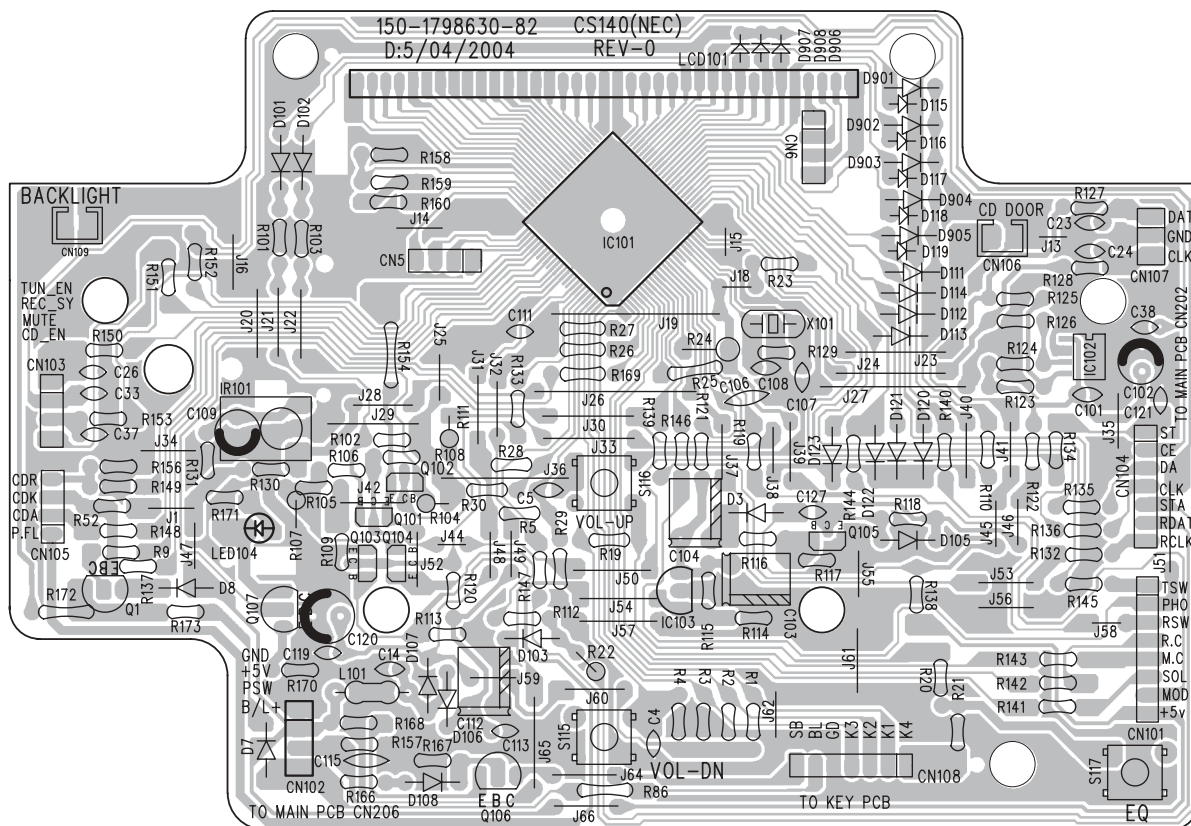




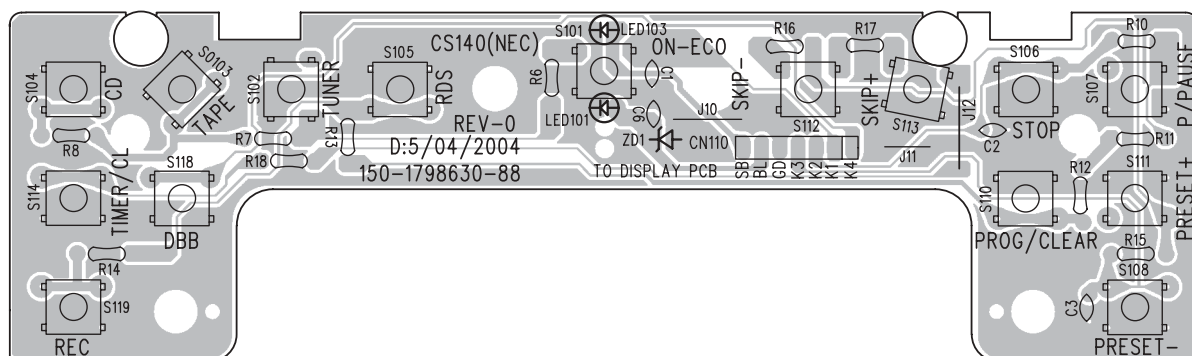
CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - BEDIENTEIL / SCHALTBILD ANZEIGE - SCHEMA COMANDI / INDICATORE - ESQUEMA MANDOS / INDICADOR



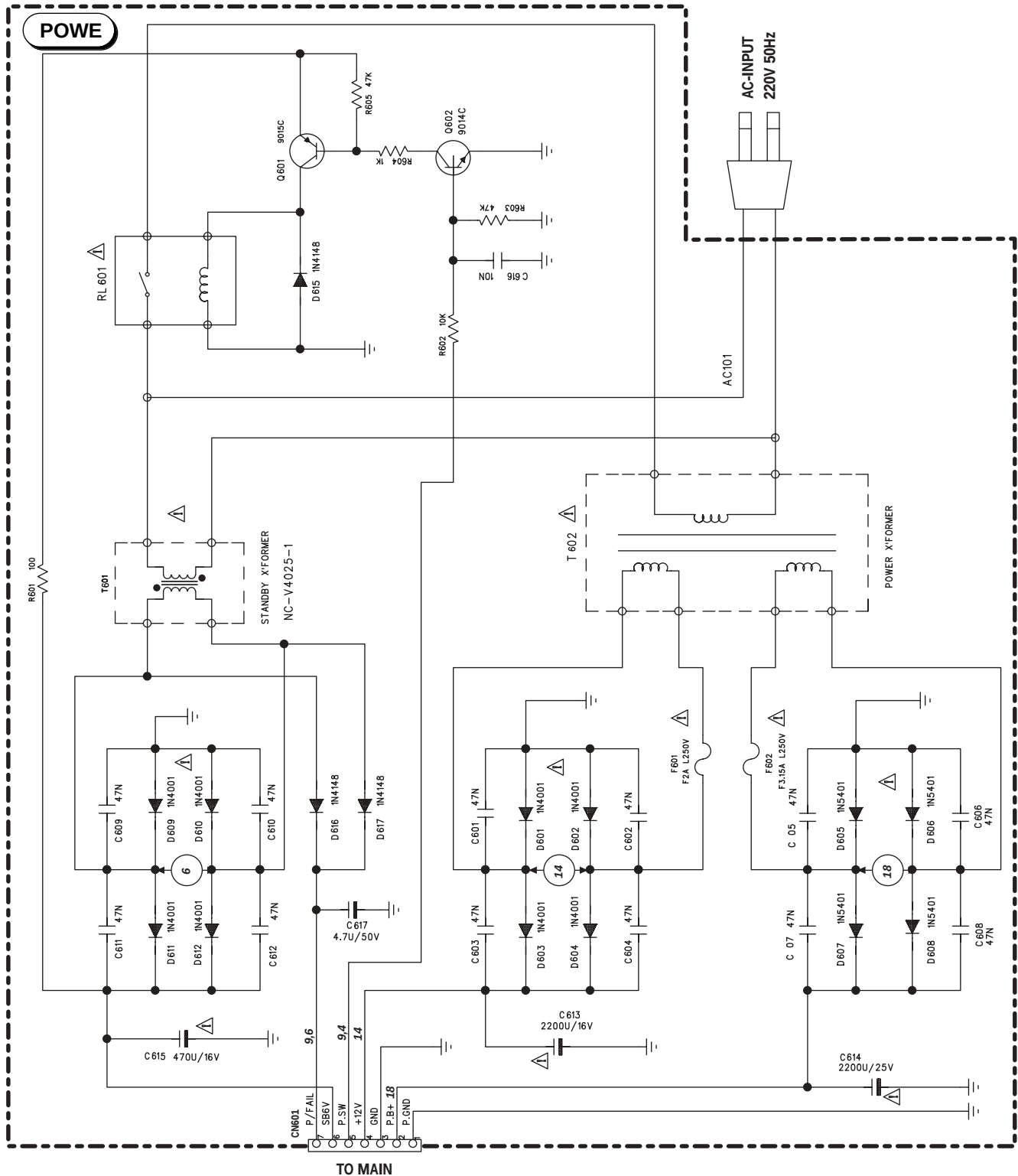
Controls / display P.C.B.
 Platine commandes / afficheurs
 Ltpl. Bedienteil / Anzeige
 Piastra comandi / indicatore
 Platina de mandos / indicadores



Controls P.C.B.
 Platine commandes
 Ltpl. Bedienteil
 Piastra comandi
 Platina de mandos



POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZTEIL - SCHEMA DELL' ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACIÓN



NOTES:

- Unless otherwise specified:
 - All resistor values are in ohms, 1/10W
 - All Capacitor values are in uF
- Voltages are positive with respect to ground under no signal conditions
- Replace transistors with type specified from replacement parts list
- Unless otherwise stated, all voltages taken in radio "on" position
- * and Δ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.

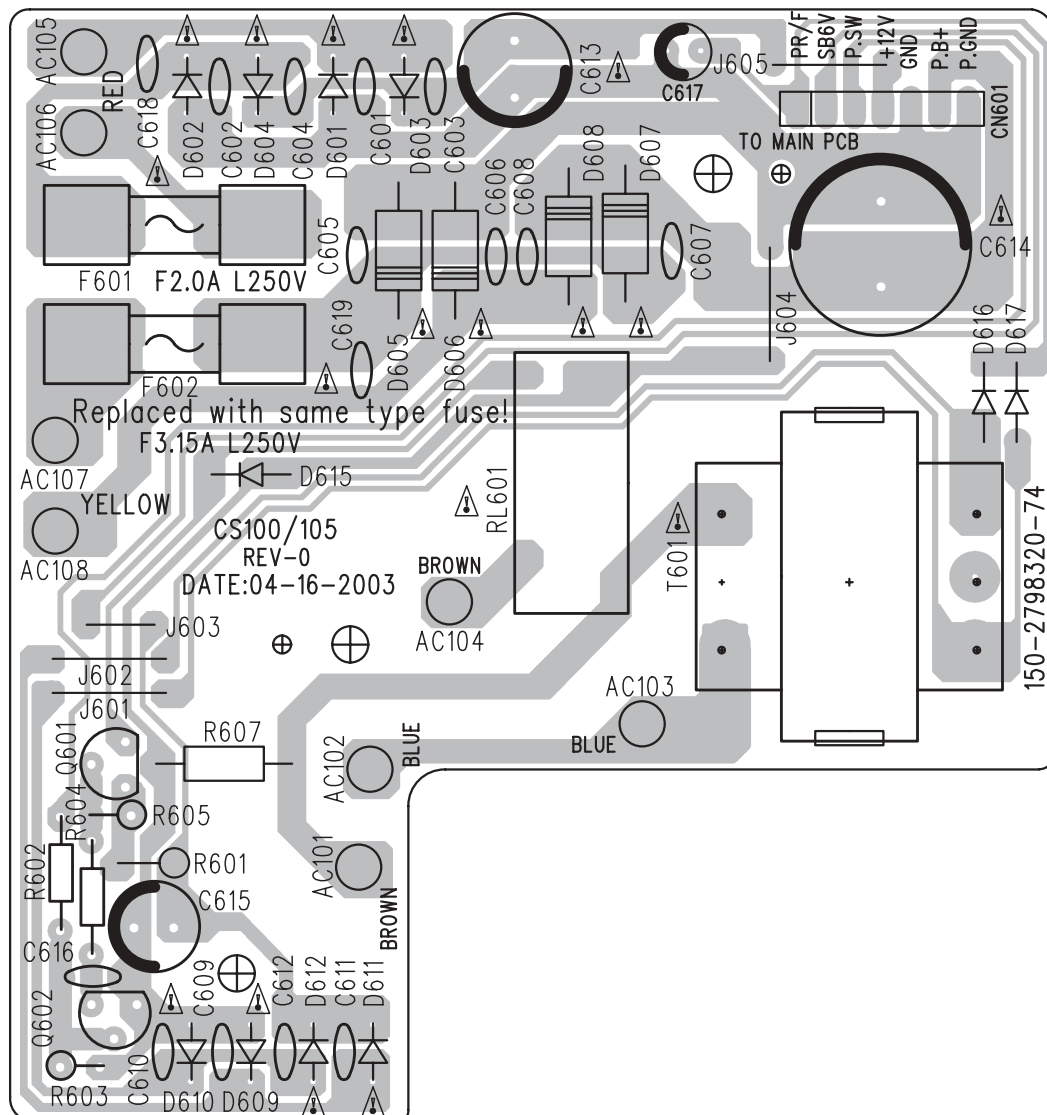


12,5



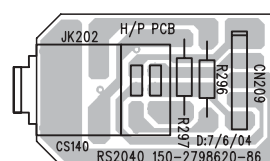
10 M Ω

Power supply P.C.B.
 Platine alimentation
 Ltpl. Netzteil
 Piastra alimentazione
 Platina alimentación

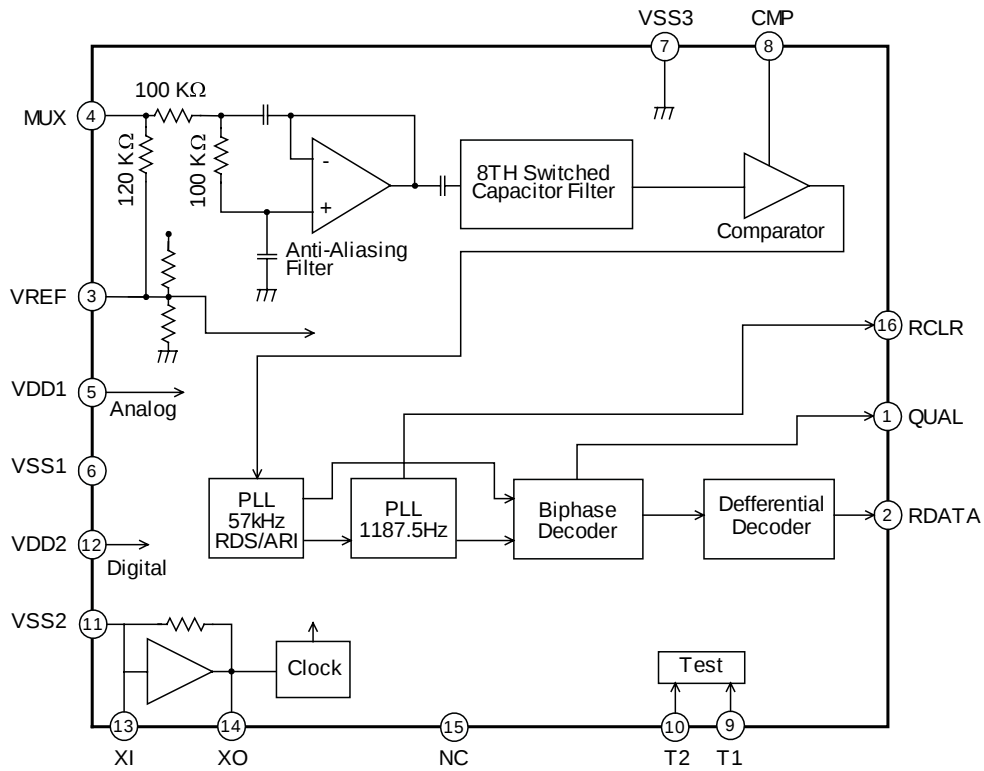


Led P.C.B.
 Platine Led
 Ltpl. Led
 Piastra Led
 Platina Led

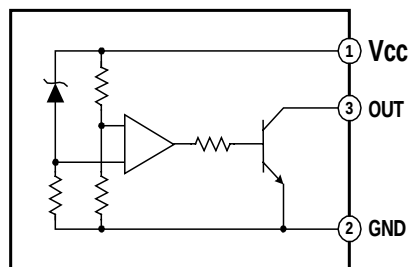
Headphone-jack P.C.B.
 Platine prise-casque
 Ltpl. Kopfhörerbuchse
 Piastra presa per cuffia
 Platina toma auriculares



IC501 BU1924F



IC103 PST600D



Abbreviations - Abreviations - Abkürzungen - Abbreviazioni - Abreviaciones

B_CUT	Beatcut	PWR_FAIL	Power Failure
CD_EN	CD Enable	PWR_SW	Power Switch
E. HD	Erase Head	R.SPK+	Right Speaker positive
GND	Ground	RCH	Right Chanel
L.SPK+	Left Speaker positive	RCH_O/P	Right Chanel Output
LCH	Left Chanel	REC_CTRL	Record Control
LCH_O/P	Left Chanel Output	REC_SW	Record Switch
LCH_RECIN	Left Chanel Record In	REC_SYNC	Record Synchronisation
LCH_RECIN	Right Chanel Record In	SPK-	Speaker negative
MOTOR_CTRL	Motor Control	SYN_REC	Synchronisation in Record mode
NC	Not Connected	TUNER_EN	Tuner Enable

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Thomson Sales UK Limited
Bath Road
West Drayton
Middlesex UB7 0DB (England)

**Thomson multimedia
Scandinavia AB**
Florettgatan 29 C
S-25467 Helsingborg (Sweden)
Tel. : 042 25 75 00

**Thomson multimedia
Sales Germany GmbH & Co oHG**
Karl-Wiechert-Allee 74
30625 Hannover

**Thomson
Consumer Electronics Poland**
ul. Gen. L. Okulickiego 7/9
05-500 Piaseczno (Varsovie)
Tel. : (22) 757 10 80

**Thomson multimedia
Sales France**
46, quai Alphonse Le Gallo
92648 Boulogne cedex
Tel. : 01 41 86 60 00
Internet : www.thomson-network.com

**Thomson multimedia
Czech s.r.o.**
ul. Dopravaku - dum Genius 1
Dolní Chabry
CZ - 18400 Prague 8
Tel. : (2) 688 67 70

**Thomson multimedia
Switzerland**
Seewenweg 5
CH-4153 Reinach
Tel. : (61) 716 96 60

**Thomson multimedia
Hungary KFT**
Lajos u. 78. II.em.
H-1036 Budapest
Tel. : 00 36 14 5334/80

**Thomson multimedia
Sales Portugal**
Avenida da Boavista, 3521
4106 Porto
Tel. : (2) 26 18 76 41

**Thomson multimedia
Sales Spain**
Avenida Isla Graciosa, 1
Edificio Ancora
Parque Empresarial La Marina
28700 San Sebastián de los Reyes (Madrid)
Tel. : (91) 384 14 19

**Thomson multimedia
Sales Italy S.p.A.**
Via Leonardo da Vinci, 43
20090 Trezzano sul naviglio (Milano)
Tel. : (02) 48 414 111